**Reactions of Carboxylic acids**

**1)** When butanoic acid reacts with sodium hydrogen carbonate, NaHCO3, fizzing can be seen during the

reaction.

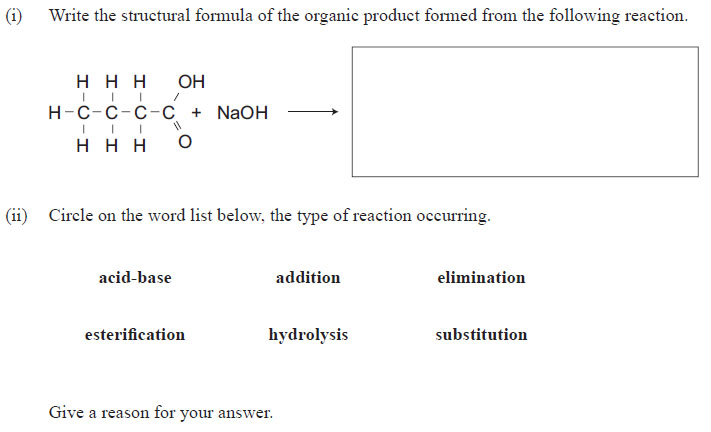
**i)** What type of reaction is occurring?

**ii)** Explain why fizzing is observed during the reaction.

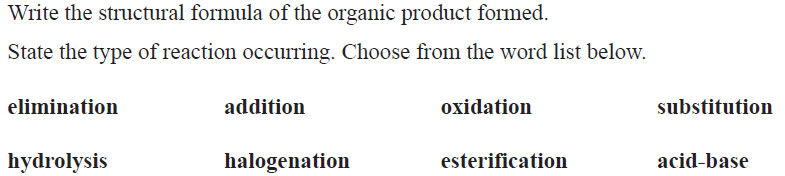
**iii)** Complete the equation below to show the structural formula of the organic product formed.



**2)**

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**3)**

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**4)**

**Give the structural formula of the product formed when** ethanoic acid, CH3COOH, reacts with sodium carbonate solution.

**5) Draw and name the product and type of reaction when** propanoic acid is reacted with sodium hydroxide solution

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